UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/899,818	07/09/2001	Kazunori Suzuki	SAT 163	9649

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EXAMINER
FELTEN, DANIEL S

ART UNIT	PAPER NUMBER
3624	

DATE MAILED: 08/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
Office Action Summary	09/899,818	SUZUKI ET AL.
	Examiner	**Art Unit**	
	Daniel S Felten	3624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *09 July 2001*.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-16* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-16* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

        1.☒ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Priority

1.   Acknowledgment is made of applicant's claim for foreign priority under 35

U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No.

09/899,818, filed on 07/09/2001.

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Atalla (US 5,960,086) in view of Teicher (US 5,744,787).

      Atalla discloses, as in claims 1-14, a relay server 151 (hub/security server/relay)

that can be installed in a payment system (as contemplated by Atalla) made up of a

user terminal 152 (origin) being able to be connected to a network (i.e., Internet) and

used to take a secured message on said network between a shop 153 (destination) and

a user (origin) using a server (destination) connected to said network and used to

produce secured information (see Atalla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll.

12 to col. 19, ll. 40; and col. 24, ll. 9-45), a server connected to said network and used

to perform processing for said transaction between said user and said shop

(destination) and a wallet server (origin) connected to said network and having

authentication information (encryption) of said user required for said processing to be

performed by said server and making a request of said server through said shop

(destination) for said processing, wherein said relay server comprises a redirecting

section which transfers, when having received procedure requesting information to

prompt said shop to take said payment procedure from said user terminal, said

procedure requesting secured message information to said destination server and when

having received said secured message information from said shop server having

acquired said procedure requesting information, transfers said secured information to

said origin server (see Atalla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col.

19, ll. 40; and col. 24, ll. 9-45).

Atalla fails to explicitly disclose payment processing to be performed by said

payment server and making a request of said payment server through said shop for said

payment processing. Teicher also teaches the aforementioned features wherein the

payment processing to be performed by said payment server and making a request of

said payment server through said shop for said payment processing (see Teicher

Abstract, figs. 2-4, 9A-C, 11A-C, 12, etc., col. 7, ll. 46 to col. 8, ll. 38-60; and col. 10, ll.

45+).

Since Atalla contemplates a payment system (see Atalla, col. 15, ll. 24-28), it

would have been obvious therefore for an artisan of ordinary skill in the art to integrate

the payment processing   features of Teicher into Atalla because an artisan at the time

of the invention would have found such features an obvious extension to the teachings

of Atalla to perform and protect payment transactions via a network. Thus to integrate

the payment processing features of Teicher into Atalla would have constituted an

obvious expedient well within the ordinary skill in the art.

As in claim 2, said user terminal employed in said system has no function of

transferring said payment information to said wallet server (see Atalla, figs. 12, 14-17A-

F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

As in claim 3, wherein said user terminal is able to carry out direct

communication with said destination server except a direct receipt of said payment

information from said shop server (see Atalla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col.

16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

As in claim 4, the relay server further comprising a contents converting unit being

operated, at a time of taking said secured information, when said relay server has

received information for said secured information that had been transmitted from said

wallet server toward said user terminal, to select a predetermined information item out

of said information for said payment procedures, based on receiving capability of said

user terminal, to produce summarized information using said selected information item

and to transmit said summarized information to said user terminal (see Atilla, figs. 12,

14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

as in claim 5, wherein said information, from said wallet server to said user

terminal, is the relay server confirming information used for said user to confirm details

of said transaction based on said payment information transmitted from said shop

server to said wallet server and said predetermined item of said confirming information

contains at least amounts to be paid out of said payment information (see Atalla, figs.

12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

as in claim 6, the relay information is generated by said contents converting

said summarized section in accordance server according wherein with a template in

which insertion of said predetermined information item is set in advance and said

predetermined item is placed in a predetermined position in said template (see Atilla,

figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45).

As in claim 7, wherein said confirming information contains an identifier used to

identify said payment procedure and said predetermined information item of said

template contains said identifier. (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col.

16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45). A

As in claim 8, further comprising a first communicating section used to carry out

communication with said user terminal through said network, a second communicating

section used to carry out communication through said network with each of said shop

servers, settlement institutions, said wallet servers and registration authorities and a

control section used to control said communication with each of said first and second

communicating sections (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

As in claim 9, wherein said payment server in said payment system, when said payment procedure has terminated, transmits result information showing termination of said payment processing through said wallet server toward said user terminal (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

As in claim 10, wherein, when the time required from when said relay server has received a response for said confirming information from said user terminal to when said relay server has received said result information through said wallet server from said payment server exceeds a predetermined period of time, communicating information used to continue communication between said relay server and said user terminal is exchanged with said user terminal until time of receipt of said result information (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45),

As in claim 11, wherein said communicating information used to continue communication with said user terminal is information to be transmitted from said relay server to said user terminal which contains information enabling said user to make an inquiry about a progress of said payment processing and information showing said inquiry made, of said relay server, by said user having obtained said information,

as in claim 12, has a registration authority to produce said authentication information of said user and, when said relay server has received said authentication

information from said registration authority, said redirecting section is operated to

transfer said authentication information fed from said registration authority to said wallet

server (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40;

and col. 24, ll. 9-45),

As in claim 13, wherein said information out of which said predetermined item is

to be selected by said content converting section is information that said registration

authority transmits through said relay server toward said user terminal to produce said

authentication information (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12

to col. 19, ll. 40; and col. 24, ll. 9-45).

As in claim 14, wherein said payment system is provided with a plurality of said

wallet servers, and said information out of which said predetermined item is to be

selected by said contents converting section is information used by said user to select

said wallet server for said payment out of said plurality of said wallet servers (see Atilla,

figs. 12, 14-17A-F, col. 15, ll. 19-53; col. 16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45)

As in claim 15, a server a method for relaying communication between a user

terminal and a which is employed in a payment system made up of a user terminal

being able to be connected to a network and used to take a payment procedure for a

transaction on said network between a shop and a user using said shop, a shop server

connected to said network and used to produce payment information including amounts

to be paid by said user in said transaction, a payment server connected to said network

and used to perform payment processing for said transaction between said user and

said shop and a wallet server connected to said network and having authentication

information of said user required for said payment processing to be performed by said

payment server and making a request of said payment server through said

shop for said payment processing, and wherein said method for relaying comprises a

step of transferring said payment information transmitted from said shop server to said

wallet server and a step of transferring payment processing request transmitted from

said user terminal to make a request of said payment server for said payment

processing to said wallet server (see Atilla, figs. 12, 14-17A-F, col. 15, ll. 19-53; col.

16, ll. 12 to col. 19, ll. 40; and col. 24, ll. 9-45; also see explanation for claim 1).

3.   Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tiecher

(US 5, 744, 787) in view of Atalla (US 5,960,086)

        Teicher discloses a user terminal being able to take a payment procedure for a

transaction on said network between a shop (POS) and a user using said shop (see

Teicher, col. 7, ll. 38+; col. 10, ll. 45+);

        a shop server(POS) used to produce payment information including amounts to

be paid by said user in said transaction (see Teicher, figs. 1-3);

        a payment server used to perform payment processing for said transaction

between said user and said shop (POS) (see Teicher, figs. 1-3);

a wallet server having authentication information of said user required for said

payment processing to be performed by said payment server and making a request of

said payment server through said shop for said payment processing (see Teicher, figs.

1-4); and

a redirecting section used to transfer, when said payment information is received

from said shop server, said payment information to said wallet server and, when a

payment processing request to make a request of said payment server for said payment

processing is received from said user terminal, said request to said wallet server (see

Teicher col. 7, ll. 38+; col. 10, 45+).

Teicher fails to explicitly disclose a network. Atalla discloses methods and

systems for operating on insecure networks (i.e., the Internet) which also contemplates

a payment system (see Atalla, col. 15, ll. 19+). It would have been obvious for an artisan

at the time of the invention of Teicher to have recognized the advantages of integrating

the system over a network to provide remote payment transactions and private

message conveyances. Teicher would have also sought to integrate and/or substitute

the Hub/server of Atalla (fig. 12 and 15) for the Hub/server of Teicher to provide secure

payment transactions and private message conveyances between merchants and

customers. Thus such a modification would have been considered an obvious

expedient well within the ordinary skill in the art.

Conclusion

4.   A list of relevant prior art appears below not relied upon in this Office Action:

Anderson et al (US 3,956,615) discloses a transaction execution system with secure

data storage and communications

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Daniel S Felten whose telephone number is (703) 305-

0724. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Vincent Millin can be reached on (703) 308-1065. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Daniel S Felten
Examiner
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August 5, 2004

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